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RCA MR29410 USER MANUAL

Table of Contents

safety instructions
important safety information
Table of Contents
List of Features
Familiarizing Yourself with The TV
Front Panel Buttons
Side Panel Jacks
Rear Panel Jacks
Connecting VHF and UHF Antennas
Antennas with 300-ohm Flat Twin Leads

Antennas with 75-ohm Round Leads
Separate VHF and UHF Antennas
Connecting Cable TV
Cable without a Cable Box
All Channels
Some Channels
Connecting a VCR
Connecting a Second VCR to Record from the TV
Connecting a Camcorder
Installing Batteries in the Remote Control
How to Use Your Universal Remote
Using the INPUT Button
Programming Your Universal Remote
Testing the Remote
Programming the Remote to Control a VCR, Laserdisc Player, Satellite Receiver or Cable Box
Audio Device
Using the Remote to Control a Device
Modes of Operation
Turning the TV On and Off
Plug & Play Feature
Viewing the Menus and On-Screen Displays
Viewing the Menus
Viewing the Display
Selecting a Menu Language
Memorizing the Channels
Selecting the Video Signal-Source
Storing Channels in Memory (Automatic Method)
Adding and Erasing Channels (Manual Method)
Labeling the Channels

Setting the Clock
Customizing the Picture
Using Automatic Picture Settings
Customizing the Sound
Using Automatic Sound Settings
Viewing the Signal from a VCR or Camcorder
Fine Tuning Channels
Digital Noise Reduction
Changing the Screen Size
Setting the On/Off Timer
Setting the Sleep Timer
Sound Features
Choosing a Multi-Channel Sound (MTS) Soundtrack
Additional sound settings (Turbo Sound, Surround, or Auto Volume)
Viewing Closed Captions
Viewing the Demonstration
Troubleshooting
Cleaning and Maintaining Your TV
Using Your TV in Another Country
Specifications
Other ManualsLib Projects

RCA

Television User's Guide

Changing entertainment. Again.

Please read this manual before using this product for the first time.

TOCOM 15775750

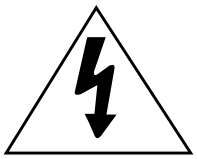
Model: MR29410

Warning! Important Safety Instructions

CAUTION

RISK OF ELECTRIC SHOCK DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



This symbol indicates high voltage is present inside. It is dangerous to make any kind of contact with any inside part of this product.

This symbol alerts you that important literature concerning operation and maintenance has been included with this product.

POWER CONSUMPTION: 110-240V～50/60 Hz
120 W (for model MR29410)

Note to CATV system installer: This reminder is provided to call CATV system installer's attention to Article 820-40 of the National Electrical Code, that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building as close to the point of cable entry as practical.

Caution: To prevent electric shock, insert the plug fully into the electrical outlet.

To prevent damage which may result in fire or electric shock hazard, do not expose this appliance to rain or moisture.

Important Safety Information

Always be careful when using your television. To reduce the risk of fire, electrical shock, and other injuries, keep these safety precautions in mind when installing, using, and maintaining your machine.

- Read all safety and operating instructions before operating your TV.
- Keep the safety and operating instructions for future reference.
- Heed all warnings on the TV receiver and in the operating instructions.
- Follow all operating and use instructions.
- Unplug the TV receiver from the wall outlet before cleaning. Use a damp cloth; do not use liquid or aerosol cleaners.
- Never add any attachments and/or equipment without approval of the manufacturer. Such additions can increase the risk of fire, electric shock, or other personal injury.
- Do not use the TV receiver where contact with or immersion in water is a possibility, such as near bath tubs, sinks, washing machines, swimming pools, etc.
- Do not place the TV on an unstable cart, stand, tripod, bracket, or table where it can fall. A falling TV can cause serious injury to a child or adult, and serious damage to the appliance. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer or sold with the TV. Follow the manufacturer's instructions when mounting the unit, and use a mounting accessory recommended by the manufacturer. Move the TV and cart with care. Quick stops, excessive force, and uneven surfaces can make the unit and cart unsteady and likely to overturn.

- Provide ventilation for the TV receiver. The unit is designed with slots in the cabinet for ventilation to protect it from overheating. Do not block these openings with any object, and do not place the TV receiver on a bed, sofa, rug, or other similar surface. Do not place it near a radiator or heat register. If you place the TV receiver on a rack or bookcase, ensure that there is adequate ventilation and that you've followed the manufacturer's instructions for mounting.
- Operate your TV receiver only from the type of power source indicated on the marking label. If you are not sure of the type of power supplied to your home, consult your appliance dealer or local power company.
- Use only a grounded or polarized outlet.

- Protect the power cord. Power supply cords should be routed so that they won't be walked on or pinched by objects placed on or against them. Pay particular attention to cords at plugs, convenience receptacles, and the point where they exit from the unit.

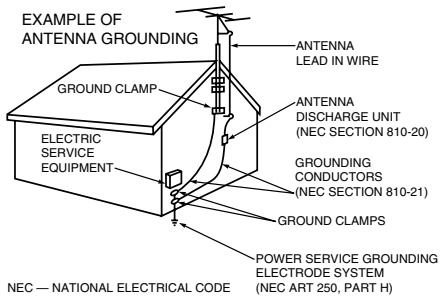
- Unplug the TV from the wall outlet and disconnect the antenna or cable system during a lightning storm or when left unattended and unused for long periods of time. This will prevent damage to the unit due to lightning and power-line surges.

- Avoid overhead power lines. An outside antenna system should not be placed in the vicinity of overhead power lines or other electric light or power circuits or where it can fall into such power lines or circuits. When installing an outside antenna system, be extremely careful to keep from touching the power lines or circuits. Contact with such lines can be fatal.

- Do not overload the wall outlet or extension cords. Overloading can result in fire or electric shock.

- Do not insert anything through the openings in the unit, where they can touch dangerous voltage points or damage parts. Never spill liquid of any kind on the TV.

- Ground outdoor antennas. If an outside antenna or cable system is connected to the TV, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Section 810 of the National Electrical Code, ANSI/NFPA No.70-1984, provides information about proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.



- Do not attempt to service the TV yourself. Refer all servicing to qualified service personnel. Unplug the unit from the wall outlet and refer servicing to qualified service personnel under the following conditions:
    - when the power-supply cord or plug is damaged
    - if liquid has been spilled on the unit or if objects have fallen into the unit
    - if the TV has been exposed to rain or water
    - if the TV does not operate normally by following the operating instructions
    - if the TV has been dropped or the cabinet has been damaged
    - when the TV exhibits a distinct change in performance

- If you make adjustments yourself, adjust only those controls that are covered by the operating instructions. Adjusting other controls may result in damage and will often require extensive work by a qualified technician to restore the TV to normal.

- When replacement parts are required, be sure the service technician uses replacement parts specified by the manufacturer or those that have the same characteristics as the original part. Unauthorized substitutions may result in additional damage to the unit.

- Upon completion of any service or repairs to this TV, ask the service technician to perform safety checks to determine that the TV is in a safe operating condition.

Chapter 1: Your New TV 1.1

List of Features 1.1
Familiarizing Yourself with The TV 1.1
Front Panel Buttons 1.1
Side Panel Jacks 1.2
Rear Panel Jacks 1.2

Chapter 2: Installation 2.1

Connecting VHF and UHF Antennas 2.1
Antennas with 300-ohm Flat Twin Leads 2.1
Antennas with 75-ohm Round Leads 2.2
Separate VHF and UHF Antennas 2.2
Connecting Cable TV 2.2
Cable without a Cable Box 2.2
Connecting to a Cable Box that Descrambles All Channels 2.2
Connecting to a Cable Box that Descrambles Some Channels 2.3
Connecting a VCR 2.4
Connecting a Second VCR to Record from the TV 2.5
Connecting a Camcorder 2.5
Installing Batteries in the Remote Control 2.6

Chapter 3: Using the Remote 3.1

How to Use Your Universal Remote 3.1
Remote Control Buttons 3.2
Using the INPUT Button 3.3
Programming Your Universal Remote 3.4
Testing the Remote 3.4
Programming the Remote to Control a VCR, Laserdisc Player, Satellite Receiver or Cable Box 3.4
Programming the Remote to Control an RCA Audio Device 3.5
Using the Remote to Control a Device 3.5
Modes of Operation 3.5
Remote Control Codes 3.6

Chapter 4: Operation 4.1

Turning the TV On and Off 4.1
Plug & Play Feature 4.1
Viewing the Menus and On-Screen Displays 4.2
Viewing the Menus 4.2
Viewing the Display 4.3
Selecting a Menu Language 4.3
Memorizing the Channels 4.4
Selecting the Video Signal-Source 4.4
Storing Channels in Memory (Automatic Method) 4.5
Adding and Erasing Channels (Manual Method) 4.6
Labeling the Channels 4.7
Setting the Clock 4.8
Customizing the Picture 4.9
Using Automatic Picture Settings 4.10
Customizing the Sound 4.11
Using Automatic Sound Settings 4.12
Viewing the Signal from a VCR or Camcorder 4.13

Chapter 5: Special Features 5.1

Fine Tuning Channels 5.1
Digital Noise Reduction 5.2
Changing the Screen Size 5.3
Setting the On/Off Timer 5.4
Setting the Sleep Timer 5.5
Sound Features 5.6
Choosing a Multi-Channel Sound (MTS) Soundtrack . . . 5.6
Additional sound settings
(Turbo Sound, Surround, or Auto Volume) 5.7
Viewing Closed Captions 5.8
Viewing the Demonstration 5.9

Chapter 6: Other Information 6.1

Troubleshooting 6.1
Cleaning and Maintaining Your TV 6.2
Using Your TV in Another Country 6.2
Specifications 6.2

Chapter 1

YOUR NEW TV

List of Features

Your TV was designed with the latest technology. This TV is a high-performance unit that includes the following special features:

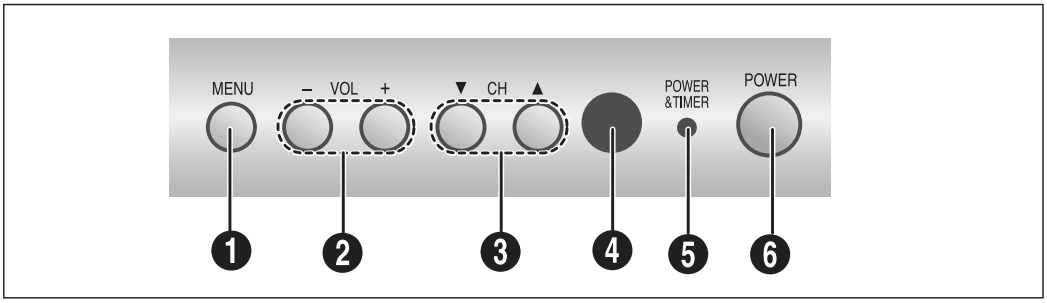
- Easy-to-use remote control
- Easy-to-use on-screen menu system
- Automatic timer to turn the TV on and off
- Adjustable picture and sound settings that can be stored in the TV's memory
- Automatic channel tuning for up to 181 channels
- A special filter to reduce or eliminate reception problems
- Fine tuning control for the sharpest picture possible
- Built-in, dual channel speakers
- A special sleep timer
- Headphone jack for private listening
- 16:9 letter-box format available (depending on signal source)

NOTE: Illustrations are for representation only. Your product and on-screen displays might differ.

Familiarizing Yourself with the TV

Front Panel Buttons

The buttons on the front panel control your TV's basic features, including the on-screen menu. To use the more advanced features, you must use the remote control.



1 MENU
Press to bring up the main menu.

2 VOL + and –
Press to increase or decrease the volume. Also used to select items in the TV's menu system.

3 CH ▼ and ▲
Press to change channels. Also press to move up or down in the TV's menu system.

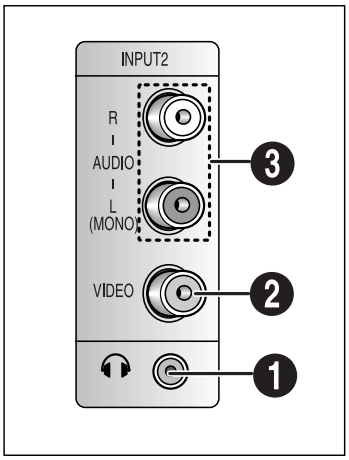
4 Remote Control Sensor
Aim the remote control towards this spot on the TV.

5 POWER & TIMER indicator
This indicator blinks ten times when you turn on the TV. It also illuminates when the TIMER mode is set to the "On" position after setting the clock and either the On timer or Off timer. Even if the power is turned off, this indicator stays lit. (Clock must be set before using this function.)

6 POWER
Press to turn the TV on and off.

Side Panel Jacks

Use the side panel jacks to connect an A/V component that is used only occasionally, such as a camcorder or video game console. (For information on connecting equipment, see pages 2.1 – 2.6.)



1 HEADPHONE JACK
Connect a set of external headphones to this jack for private listening.

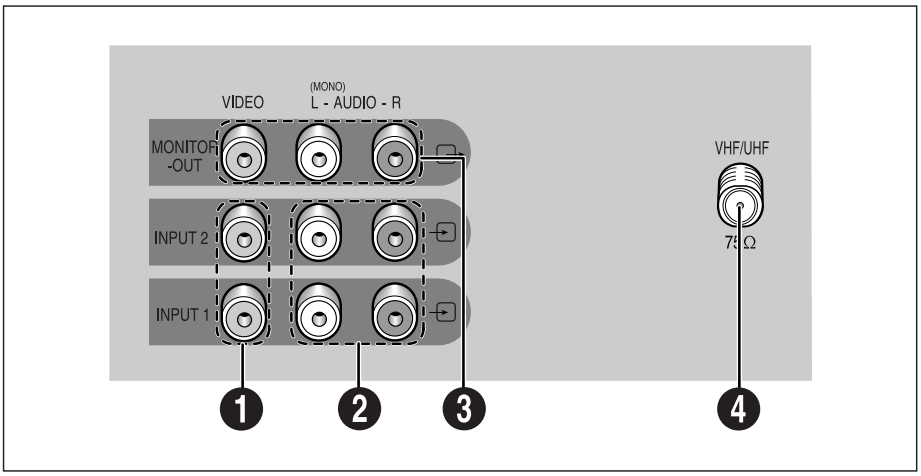
2 VIDEO INPUT
Used to connect a video signal from a camcorder or a video game.

3 AUDIO INPUTS
Used to connect the audio signals from a camcorder or a video game.

Rear Panel Jacks

Use the rear panel jacks to connect an A/V component that will be connected continuously, such as a VCR or DVD player. Because there are two sets of input jacks, you can connect two different A/V components (i.e., a VCR and a DVD player, 2 VCRs, etc.).

For more information on connecting equipment, see pages 2.1 – 2.6.



1 VIDEO INPUTS 1 and 2
Used to connect a video signal from an external component (for example, VCRs, DVD players, etc.).

2 AUDIO INPUTS 1 and 2
Used to connect audio signals from an external component (for example, VCRs, DVD players, etc.).

3 MONITOR OUT
Passes the signal being viewed on the television to another component (for example, to a recoding VCR.)

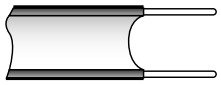
4 VHF/UHF
Connect to an antenna or cable TV system.

Chapter 2

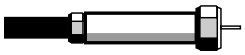
INSTALLATION

Connecting VHF and UHF Antennas

If your antenna has a set of leads that look like this, see "Antennas with 300-ohm Flat Twin Leads," below.



If your antenna has one lead that looks like this, see "Antennas with 75-ohm Round Leads," on page 2.2.



If you have two antennas, see "Separate VHF and UHF Antennas," on page 2.2.

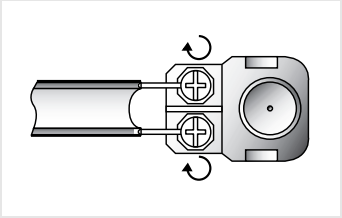
NOTE: Illustrations are for representation only. Your product and on-screen displays might differ.

Antennas with 300-ohm Flat Twin Leads

If you are using an off-air antenna (such as a roof antenna or "rabbit ears") that has 300-ohm twin flat leads, follow the directions below.

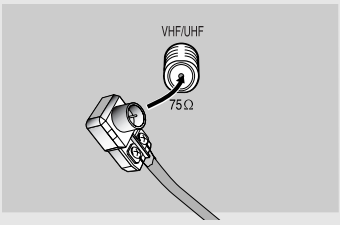
1

Place the wires from the twin leads under the screws on the 300-75 ohm adaptor (not supplied). Use a screwdriver to tighten the screws.



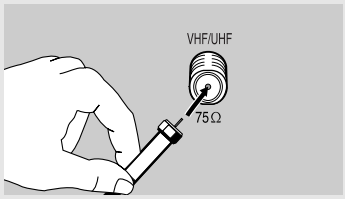
2

Plug the adaptor into the VHF/UHF terminal on the bottom of the back panel.



Antennas with 75-ohm Round Leads

1
Plug the antenna lead into the VHF/UHF terminal on the bottom of the back panel.



Separate VHF and UHF Antennas

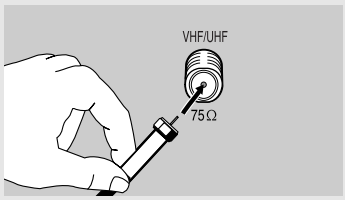
If you have two separate antennas for your TV (one VHF and one UHF), you must combine the two antenna signals before connecting the antennas to the TV. This procedure requires a an optional combiner-adaptor (available at most electronics stores).

Connecting Cable TV

To connect to a cable TV system, follow the instructions below.

Cable without a Cable Box

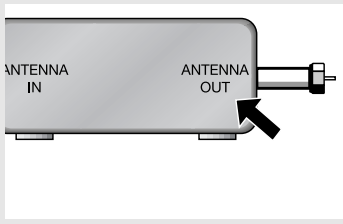
1
Plug the incoming cable into the VHF/UHF antenna terminal on back of the TV.



◄ Because this TV is cable-ready, you do not need a cable box to view unscrambled cable channels.

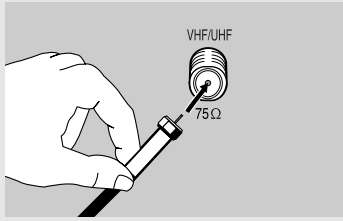
Connecting to a Cable Box that Descrambles <u>All</u> Channels

1
Find the cable that is connected to the ANTENNA OUT terminal on your cable box.



◄ This terminal might be labeled "ANT OUT," "VHF OUT," or simply, "OUT."

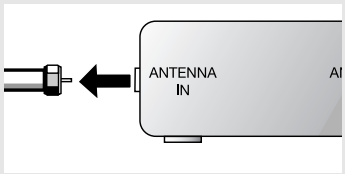
2
Connect the other end of this cable to the VHF/UHF antenna terminal on the back of the TV.



Connecting to a Cable Box that Descrambles Some Channels

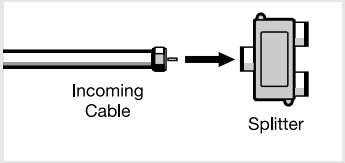
If your cable box descrambles only some channels (such as premium channels), follow the instructions below. You will need a two-way splitter, an RF (A/B) switch, and four lengths of coaxial cable. (These items are available at most electronics stores.)

1
Find and disconnect the cable that is connected to the ANTENNA IN terminal on your cable box.

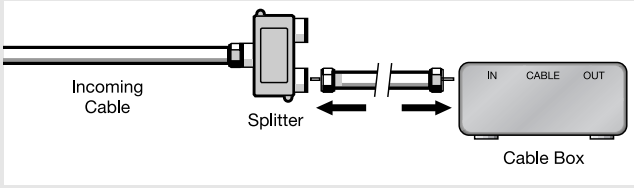


◄ This terminal might be labeled "ANT IN," "VHF IN," or simply, "IN."

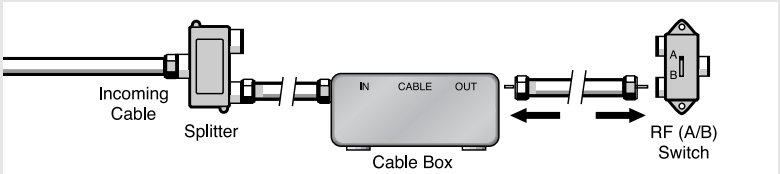
2
Connect this cable to a two-way splitter.



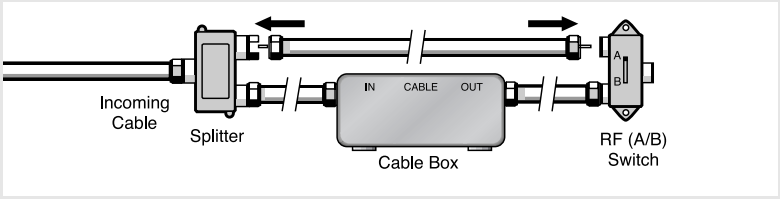
3
Connect a coaxial cable between an OUTPUT terminal on the splitter and the IN terminal on the cable box.



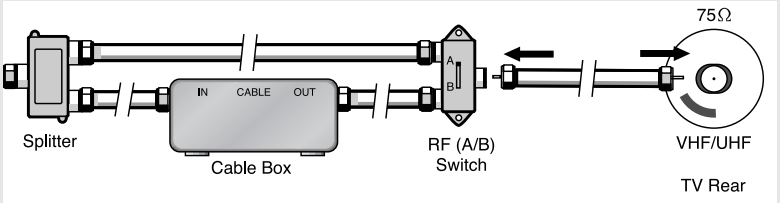
4
Connect a coaxial cable between the ANTENNA OUT terminal on the cable box and the B–IN terminal on the A/B switch.



5
Connect another cable between the other OUT terminal on the splitter and the A–IN terminal on the RF (A/B) switch.



6
Connect the last coaxial cable between the OUT terminal on the RF (A/B) switch and the VHF/UHF terminal on the rear of the TV.

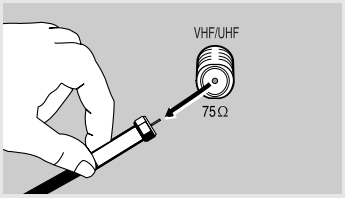


After you've made this connection, set the A/B switch to the "A" position for normal viewing. Set the A/B switch to the "B" position to view scrambled channels. (When you set the A/B switch to "B," you will need to tune your TV to the cable box's output channel, which is usually channel 3 or 4.)

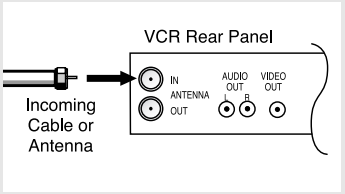
Connecting a VCR

These instructions assume that you have already connected your TV to an antenna or a cable TV system (according to the instructions on pages 2.1-2.3). Skip step **1** if you have not yet connected to an antenna or a cable system.

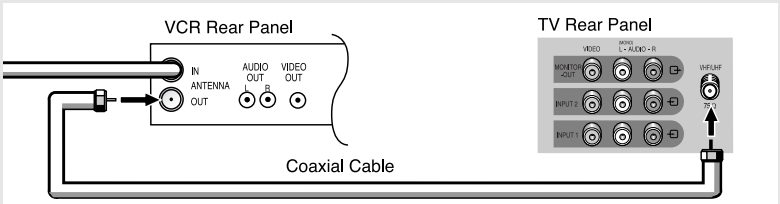
1
Unplug the cable or antenna from the back of the TV.



2
Connect the cable or antenna to the ANTENNA IN terminal on the back of the VCR.

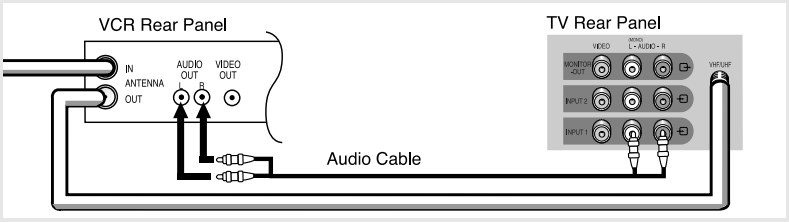


3
Connect a coaxial cable between the ANTENNA OUT terminal on the VCR and the antenna terminal on the TV.

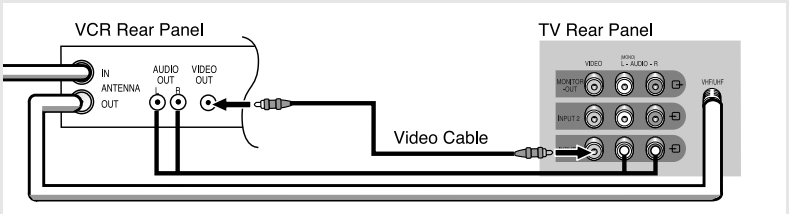


A coaxial cable is usually included with a VCR. (If not, check your local electronics store).

4
Connect a set of audio cables between the AUDIO OUT jacks on the VCR and the AUDIO jacks on the TV.



5
Connect a video cable between the VIDEO OUT jack on the VCR and the VIDEO jack on the TV.

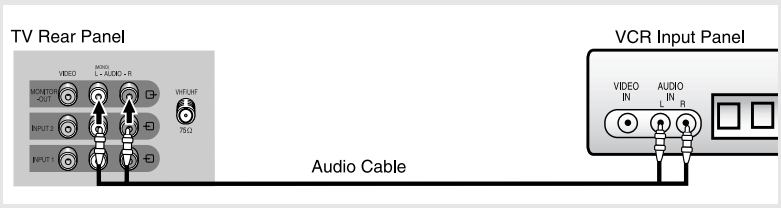


Follow the instructions in "Viewing a VCR or Camcorder Tape" to view your VCR tape.

Connecting a Second VCR to Record from the TV

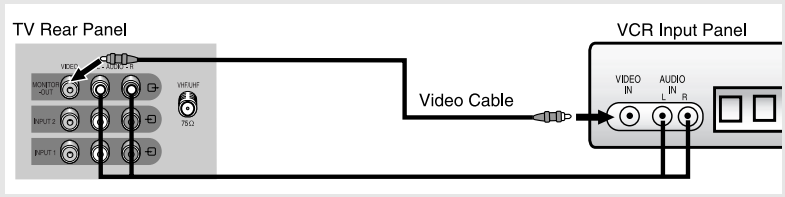
Your TV can send out signals of its picture and sound to be recorded by a second VCR. To do this, connect your second VCR as follows:

1
Connect a set of audio cables between the AUDIO OUT jacks on the TV and the AUDIO IN jacks on the VCR.



The VCR input jacks might be either on the front or on back of the VCR.

2
Connect a video cable between the VIDEO OUT jack on the TV and the VIDEO IN jack on the VCR.

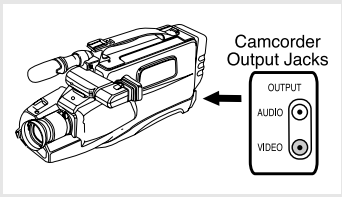


Refer to your VCR's instructions for more information about how to record using this kind of connection.

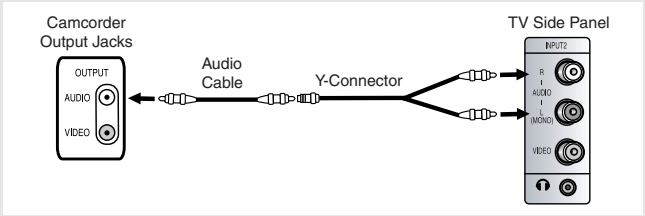
Connecting a Camcorder

The side panel jacks on your TV make it easy to connect a camcorder to your TV.

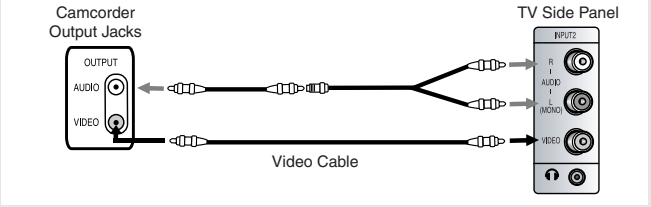
1
Locate the A/V output jacks on the camcorder. They are usually found on the side or back of the camcorder.



2
Connect an audio cable between the AUDIO OUTPUT jack on the camcorder and the AUDIO terminals on the side of the TV.



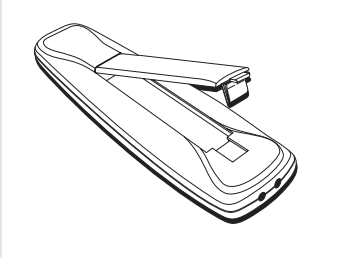
3
Connect a video cable between the VIDEO OUTPUT jack on the camcorder and the VIDEO terminal on the side of the TV.



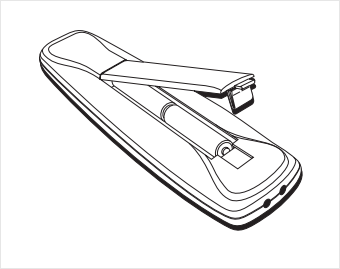
The audio-video cables shown here are usually included with a Camcorder. (If not, check your local electronics store.) If your camcorder is stereo, you need to connect a set of two cables.

Installing Batteries in the Remote Control

1
Remove the battery compartment cover from the back of the remote.



2
Insert fresh batteries. Make sure that the polarities (+ and -) are aligned correctly.



3
Replace the cover.

Chapter 3

USING THE REMOTE

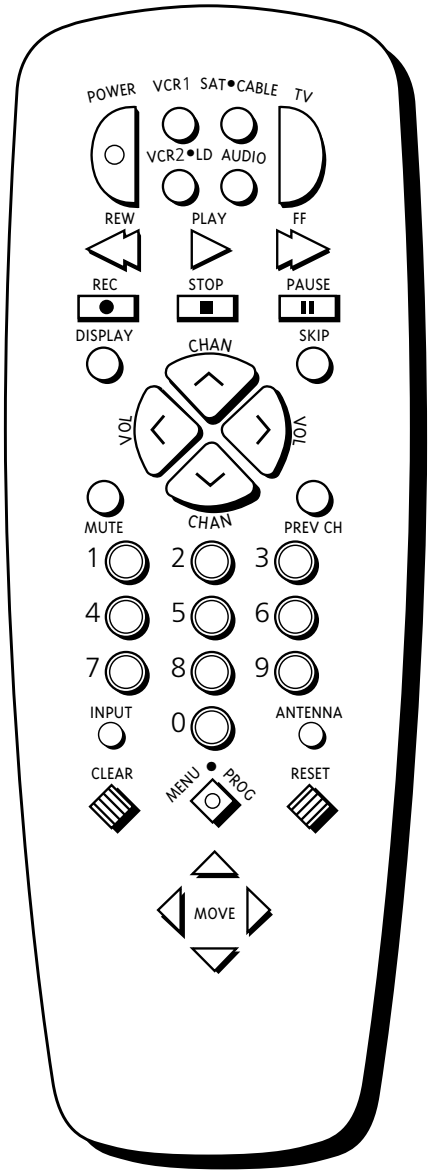
How to Use Your Universal Remote

This section defines the buttons of the remote and how to program it to control other components.

The universal remote can be programmed to control most brands of remote controllable VCRs, satellite receivers, Laserdisc players and cable boxes. If you have an RCA, GE, or PROSCAN component, you probably don't need to program it at all.

Because this universal remote can control several different components (Laserdisc player, VCR, Cable Box, etc.), it uses operational modes triggered by the component buttons. For example if you want the remote to control the TV, you would press the TV button to put the remote into TV mode before you could control the TV.

NOTE: Illustrations are for representation only. Your product and on-screen displays might differ.



POWER When in TV mode, turns TV on and off. If in another device mode (VCR, VCR2•LD, Satellite, etc.) and programmed, will turn the device on and off.

VCR1 Puts the remote in VCR mode.

VCR2•LD Puts the remote in VCR2 mode. VCR2•LD can only be programmed for one component: either a VCR or Laserdisc player.

SAT•CABLE Puts the remote in SAT•CABLE mode.

AUDIO Puts the remote in Audio mode.

TV Turns on the TV and puts the remote in TV mode. Also displays channel information.

REW, PLAY, FF, REC, STOP, PAUSE If programmed, provides transport control for some remote-controllable VCRs, Laserdisc players, tape decks, and CD players.

DISPLAY Brings up channel information. Also clears menus from the screen.

SKIP Press twice before changing channels and the TV will wait 30 seconds before returning you to the original channel. Press repeatedly to add more time (each press adds another 30 seconds).

CHAN ▲ or CHAN ▼ Scans up or down through the current channel list. Press once to change the channel up or down; press and hold to continue changing channels.

VOL < or VOL > Decreases or increases the TV's volume.

MUTE Reduces the TV's volume to its minimum level. Press again to restore the volume.

PREV CH Returns you to the previous channel.

(0-9) Number Buttons Enters channel numbers and time settings directly though the remote control. To enter a two-digit channel, press the two digits. To enter a three-digit channel, press and hold the first digit, then add the second two. Example: to tune to channel 123, press and hold 1, press 2, then press 3.

INPUT In TV mode, press to toggle through the available input sources (AV1, AV2 and the current channel).

ANTENNA Functions as TV/VCR button in VCR mode and TV/receiver button in SAT•CABLE mode.

CLEAR Removes any menu or display from the screen and returns you to TV viewing. With RCA, GE and PROSCAN VCRs, this button also clears items from the VCR clock and timer programs.

MENU•PROG Brings up the Main menu and selects highlighted items. When in VCR mode, it functions as a PROGRAM button for RCA, GE and proscan VCRs.

RESET Resets the settings in a menu.

MOVE (Arrows) Used to point to different items in the menu system. Also used to adjust the menu controls.

Using the INPUT Button

Use the INPUT button to toggle through the available input sources (AV1, AV2 and the current channel) and view the component you have connected to the TV.

1. Press TV to place the remote in TV mode. Make sure that the component you want to view is turned on.
2. Press INPUT to tune to the available input source and view the component.
3. Press INPUT again to tune back to the channel you were previously watching.

Programming your Universal Remote

The universal remote can be programmed to control most brands of remote controllable VCRs, satellite receivers, Laserdisc players and cable boxes. If you have an RCA, GE, or PROSCAN component, you probably don't need to program it at all.

Testing the Remote

To determine whether the universal remote needs to be programmed, turn a device on, such as a VCR, point the remote at the VCR, and press the VCR1 button. Then press POWER or CHAN ▲ (channel up) or CHAN ▼ (channel down) to see if the VCR responds to the remote commands. If not, the remote needs to be programmed.

Programming the Remote to Control a VCR, Laserdisc player, Satellite Receiver or Cable Box

Follow these steps to program your universal remote to control a VCR, Laserdisc player, Satellite Receiver or Cable Box:

1. Turn on the component to be programmed.
2. Look up the brand and code number(s) for the component on the code list on the last page of this section, Using the Remote.
3. Press and hold the button on the remote you want to program.
4. Enter the code from the code list.
5. Release button, and then press POWER to see if the component responds to the remote commands. If it doesn't, try pressing the component button and then POWER again.
6. If you get no response, repeat these steps using the next code listed for your brand, until the component responds to the remote commands.

Programming the Remote to Control an RCA Audio Device:

Your remote controls only RCA audio equipment such as an audio receiver or amplifier—it does not control other brands of audio equipment. Also, the remote may need to be programmed for your equipment. This remote may not operate all of the components listed at the end of this section. Use the codes at the end of this section or on the sheet packed in with your remote.

1. Turn on the component to be programmed.
2. Look up your brand and its code number(s) on the code list.
3. Press and hold the AUDIO button.
4. Enter the code from the code list.
5. Release the AUDIO button and press POWER or CHAN ▲ (channel up) or CHAN ▼ (channel down) to see if the audio device responds to the remote commands.

Using the Remote to Control a Device

Once the remote has been programmed successfully, you are ready to use it to control your devices.

To operate the device:

1. Press the device button (TV, VCR1, VCR2•LD, SAT•CABLE, or AUDIO) to set the remote to control the device.
2. Press POWER to turn the device ON or OFF.
3. Use the remote buttons that apply to that device.

Modes of Operation

Because this universal remote can control several different components (Laserdisc player, VCR, Cable Box, etc.) it uses operational modes triggered by the component buttons. For example if you want the remote to control the TV, you would press the TV button to put the remote into TV mode before you could control the TV.

Remote Control Codes

VCR

Admiral 2131
Adventura 2026
Aiko 2027
Aiwa 2002, 2026
Akai 2003, 2004, 2005, 2007, 2008, 2111,2112, 2113
American High 2021
Asha 2013
Audio Dynamics 2009, 2010
Audiovox 2014
Bell & Howell 2011
Beaumark 2013
Broksonic 2012, 2025
Calix 2014
Candle 2013, 2014, 2015, 2016, 2017, 2018, 2019
Canon 2021, 2022, 2114
Capehart 2020, 2110
Carver 2062
CCE 2027, 2061
Citizen 2013, 2014, 2015, 2016, 2017, 2018,2019,2027
Colortyme 2009
Colt 2061
Craig 2013, 2014, 2023, 2061
Curtis-Mathes 2000, 2002, 2009, 2013, 2016, 2018, 2021, 2022, 2024, 2115
Cybernex 2013
Daewoo 2015, 2017, 2019,2025, 2026, 2027, 2028, 2110
Daytron 2110
Dbx 2009, 2010
Dimensia 2000
Dynatech 2002, 2026
Electrohome 2014, 2029
Electrophonic 2014
Emerson . . .2002, 2012,2014,2015, 2021, 2024, 2025,2026,2029, 2030, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2044, 2045, 2047, 2065, 2105, 2113, 2116, 2117, 2130
Fisher 2011, 2023, 2048, 2049, 2050, 2051, 2052,2118
Fuji 2021, 2119
Funai 2002, 2026
Garrard 2026
GE 2000, 2001, 2013, 2021, 2022, 2053, 2115, 2120
Goldstar 2009, 2014, 2018, 2054, 2121
Gradiente 2026
Harley Davidson 2026
Harman Kardon 2009
Harwood 2061
Headquarter 2011
Hitachi 2002, 2055, 2056, 2057, 2107, 2111, 2120, 2122
HI-Q 2023
Instant Replay 2021
JCL 2021
JC Penney 2009, 2010, 2011, 2013, 2014, 2021, 2022, 2055, 2056, 2058, 2059, 2060, 2107, 2118
Jensen 2055, 2056, 2111
JVC 2009, 2010, 2011, 2018, 2058, 2111, 2123
Kenwood 2009, 2010, 2011, 2016, 2018, 2058, 2111,2123
KLH 2061
Kodak 2014, 2021
Lloyd 2002, 2026
Logik 2061
LXI 2014
Magnavox 2021, 2022, 2062, 2063, 2104, 2108, 2124
Magnin 2013
Marantz . . .2009, 2010, 2011, 2016, 2018, 2021, 2058, 2062,2064
Marta 2014
Masushita 2021
MEI 2021
Memorex .2002, 2011, 2013, 2014, 2021, 2023, 2026, 2104, 2131
MGA 2029, 2065, 2113
MGN Technology 2013
Midland 2053
Minolta 2055, 2056, 2107
Mitsubishi 2029, 2055, 2056, 2065, 2066, 2067, 2069, 2070, 2071, 2072, 2073, 2074, 2106, 2113, 2123
Montgomery Ward 2075, 2131
Motorola 2021,2131
MTC 2002, 2013, 2026
Multitech 2002, 2013, 2016, 2026, 2053, 2061
NEC 2009, 2010, 2011, 2016, 2018, 2058, 2064, 2076, 2078, 2079, 2111, 2123
Nikko 2014
Noblex 2013
Olympus 2021
Optimus 2014, 2131
Optonica 2096
Orion 2035
Panasonic 2021, 2022, 2109, 2125, 2126, 2127
Pentax 2016, 2055, 2056, 2107, 2120
Pentex Research 2018
Philco 2021, 2022, 2062, 2063
Philips 2021, 2062, 2096, 2124
Pilot 2014
Pioneer 2010, 2055, 2080, 2081, 2123
Portland 2016, 2017, 2019, 2110
PROSCAN 2000, 2001
Protec 2061
Pulsar 2104
Quarter 2011
Quartz 2011
Quasar 2021, 2022, 2125
RCA 2000, 2001, 2003, 2013, 2021, 2055, 2056, 2082, 2083, 2084,2085, 2086,2087,2088, 2089, 2090, 2091, 2107, 2115, 2120, 2125
Radioshack/Realistic 2002, 2011, 2013, 2014 2021, 2022, 2023, 2026, 2029, 2049, 2050, 2096, 2131
Radix 2014
Randex 2014
Ricoh 2128
Runco 2104
Samsung 2005, 2013, 2015, 2033, 2053, 2112
Sanky 2131, 2104
Sansui 2010, 2092, 2111, 2123
Sanyo 2011, 2013, 2023
Scott 2012, 2015, 2025, 2032, 2035, 2038, 2065, 2093, 2116
Sears 2011, 2014, 2021, 2023, 2048, 2049, 2050, 2051, 2055, 2056, 2107, 2118
Sharp 2002, 2017, 2029, 2094, 2095, 2096, 2131
Shintom 2004, 2056, 2061, 2098
Shogun 2013
Signature 2002, 2131
Singer 2021, 2061, 2128
Sony 2002, 2004, 2098, 2099, 2119, 2128
STS 2021, 2107
Sylvania 2002, 2021, 2022, 2026, 2062, 2063, 2065, 2124
Symphonic 2002, 2026
Tandy 2002, 2011
Tashiko 2014
Tatung 2058, 2111
TEAC 2002, 2026, 2058, 2085, 2111
Technics 2021, 2109
Teknika 2002, 2014, 2021, 2026, 2100, 2129
TMK 2013, 2024, 2047
Toshiba 2015, 2049, 2051, 2055, 2065, 2093, 2116
ToteVision 2013, 2014
Unitech 2013
Vector Research 2009, 2010, 2015, 2016
Victor 2010
Video Concepts 2009, 2010, 2015, 2016, 2113
Videosonic 2013
Wards . . . . . ., 2002, 2013, 2014, 2015, 2021, 2023, 2026, 2029, 2055, 2056, 2061, 2096, 2101, 2102, 2103, 2107, 2116, 2131
XR-1000 . . . . . .2021, 2026, 2061
Yamaha 2009, 2010, 2011, 2018, 2058, 2111
Zenith 2004, 2098, 2104, 2119, 2128

Cable Boxes

ABC 5002, 5003, 5004, 5005, 5006, 5007, 5053
Antronix 5008, 5009
Archer 5008, 5009, 5010, 5011
Cabletenna 5008
Cableview 5008
Century 5011
Citizen 5011
Colour Voice 5012, 5013
Comtronics 5014, 5015
Contec 5016
Eastern 5017
Garrard 5011
GC Electronics 5009
Gemini 5018, 5019, 5049
General Instrument 5003, 5053
Hamlin 5020, 5021, 5022, 5035, 5045
Hitachi 5003
Hytex 5002
Jasco 5011
Jerrold 5003, 5005, 5007,5018, 5023, 5024, 5046, 5053
Magnavox 5025
Memorex 5026
Movie Time 5002, 5027, 5028
NSC 5002, 5027, 5028
Oak 5002,5016, 5029
Panasonic 5048, 5052
Paragon 5026
Philips 5011, 5012, 5013, 5019, 5025, 5030, 5031, 5032
Pioneer 5033, 5034
Pulsar 5026
RCA 5047, 5049, 5052
Realistic 5009, 5049
Regal 5022, 5035
Regency 5017
Rembrandt 5003
Runco 5026
Samsung 5014, 5034
Scientific Atlanta 5006, 5036, 5037, 5038
Signal 5014, 5018
Signature 5003
SL Marx 5014
Sprucer 5052
Starcom 5007, 5018, 5053
Stargate 5014, 5018
Starquest 5018
Tandy 5040
Teleview 5014
Tocom 5004, 5023, 5041
Toshiba 5026
Tusa 5018
TV86 5027
Unika 5008, 5009, 5011
United Artists 5002
United Cable 5053
Universal 5008, 5009, 5010, 5011
Videoway 5044
Viewstar 5015, 5025, 5027, 5040
Zenith 5026, 5050, 5051

Satellite Receivers

Chapparal 5056, 5057
Drake 5058, 5059
GE 5000, 5001
General Instuments 5060, 5061, 5062
Panasonic 5075
Primestar 5076
PROSCAN 5000, 5001
RCA 5000, 5001
Realistic 5063
Sony 5072
STS1 5064
STS2 5065
STS3 5066
STS4 5067
Toshiba 5068, 5073
Uniden 5069

Audio

(For RCA and Dimensia brands only)
AM/FM 4003
Aux 4004
Phono 4005
CD 4007
Tape 4006

Chapter 4

OPERATION

Turning the TV On and Off

Press TV on the remote. You can also use the POWER button on the front panel.

NOTE: Illustrations are for representation only. Your product and on-screen displays might differ.

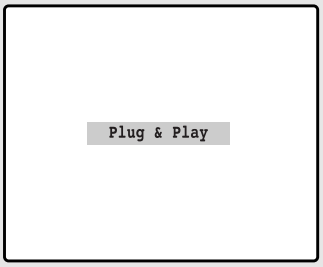
Plug & Play Feature

After turning the TV on, you can automatically set five basic settings in the following order: language, video signal source, antenna input check, auto program, and the clock.

1

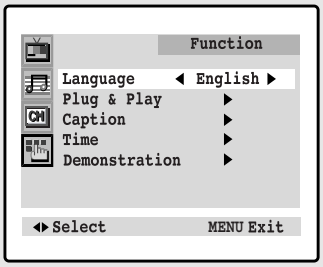
Press **TV** button on the remote control.

The message "Plug & Play" is displayed. It flickers for a little while and then the "Language" menu is automatically displayed.



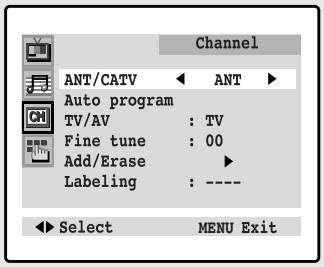
2

Press ◀ or ▶ to select the desired language. Press **MENU•PROG** to enter the language. The "Channel" menu is automatically displayed.



3

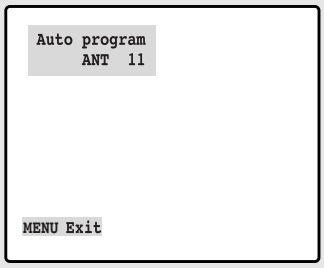
Press ◀ or ▶ to select required video signal source. Press **MENU•PROG** to enter the video signal source. The "Ant. Input check" is automatically displayed.



continued...

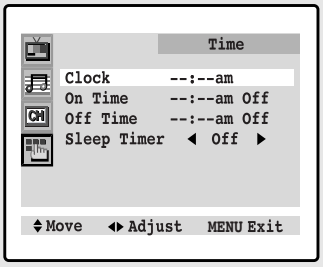
4

Make sure that the antenna is connected to the TV and press ◀ or ▶. The "Auto Program" is activated. Press **MENU•PROG** to skip this step. (Refer to "Auto program" on page 3.5.)



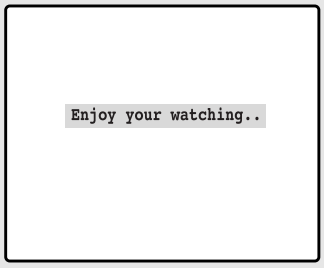
5

Press ◀ or ▶ to move to the hour or minute. Set the hour or minute by pressing ▲ or ▼. (Refer to "Setting the clock" on page 4.8.)



6

When you have finished, press **MENU•PROG** button. The message "Enjoy your watching" is displayed.



Note: Plug & Play feature doesn't work in the A/V mode.

◄ If you want to reset this feature

(1) Press **MENU•PROG** button.

(2) Press ▲ three times to select the Function menu and press **MENU•PROG**.

(3) Press ▼ to select Plug & Play and press **MENU•PROG**.

The message "Plug & Play" is displayed.

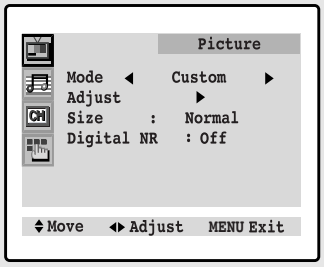
Viewing the Menus and On-Screen Displays

Viewing the Menus

1

With the power on, press **MENU•PROG**.

The main menu appears on the screen. Its left side has four icons: Picture, Sound, Channel, and Function.



◄ On-screen menus disappear from the screen after about thirty seconds.

2

Use ▲ or ▼ to highlight one of the 4 icons. Then press ▶ to access the icon's sub-menu.

3

Press **MENU•PROG** to exit.

◄ You can also use the **MENU**, **CHANNEL**, and **VOLUME** buttons on the control panel of the TV to make selections.

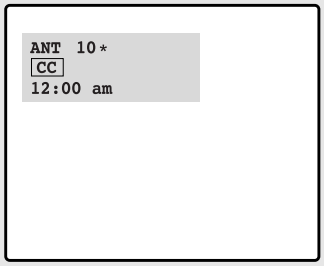
Viewing the Display

1

Press **DISPLAY** on the remote control.

The on-screen display shows any or all of the following: the current channel, channel label, video source and time, as well as the time remaining on the sleep timer.

("*" indicates a channel has been manually fine tuned.)



◄ On-screen displays disappear after about ten seconds.

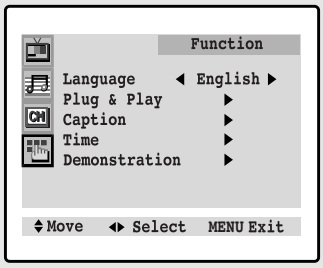
If closed caption text is present, an icon(CC) will appear when DISPLAY is pressed.

Selecting a Menu Language

1

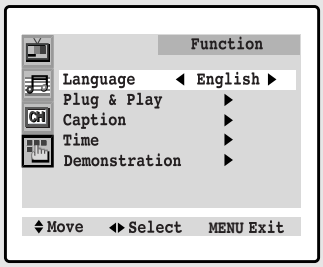
Press **MENU•PROG** to display the menu.

Press ▼ three times to select "Function."



2

Press ► to display the "Function" menu.



3

Press ► to select the appropriate language: English, Spanish, or Portuguese.

4

Press **MENU•PROG** twice to exit.

Memorizing the Channels

Your TV can memorize and store all of the available channels for both "off-air" (antenna) and cable channels. After the available channels are memorized, use the CHAN ▲ and CHAN ▼ buttons to scan through the channels. This eliminates the need to change channels by entering the channel digits. There are three steps for memorizing channels: selecting a broadcast source, memorizing the channels (automatic) and adding and deleting channels (manual).

Selecting the Video Signal-source

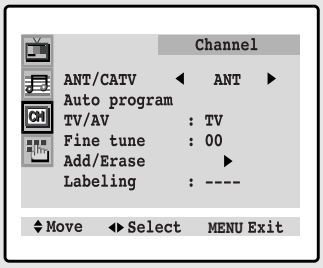
Before your television can begin memorizing the available channels, you must specify the type of signal source that is connected to the TV (i.e., an antenna or a cable system).

1

Press **MENU•PROG** to display the menu.

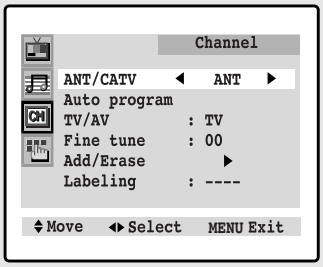
2

Press ▼ two times to select "Channel."



3

Press ▶.
The first line of the Channel menu is highlighted.

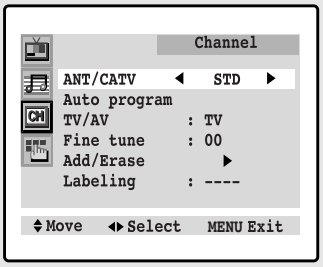


4

Repeatedly press ▶ to cycle through the following choices:

ANT (antenna)

STD, HRC or IRC (all cable TV)



Note: STD, HRC and IRC identify various types of cable TV systems. Contact your local cable company to identify the type of cable system that exists in your particular area.

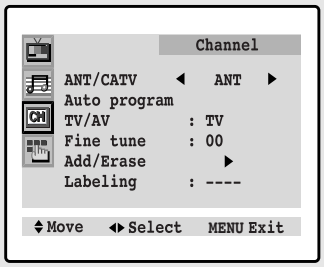
At this point the signal source has been selected. Proceed to "Storing Channels in Memory" (next page).

Storing Channels in Memory (Automatic Method)

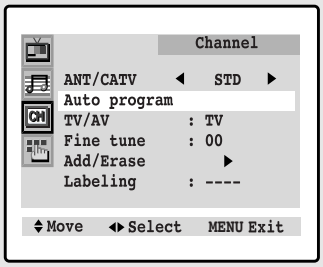
1
Select the correct signal source (ANT, STD, HRC, IRC). See steps 1~4 on the previous page.

Press **MENU•PROG**; then press ▼ twice to select "Channel."

Press ▶ to access the Channel sub-menu.

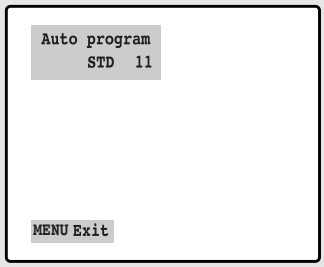


2
Press ▼ to select "Auto program".



3
Press ▶.
The TV will begin memorizing all of the available channels.

4
After all the available channels are stored, the Auto program menu reappears. Press **MENU•PROG** twice to exit.



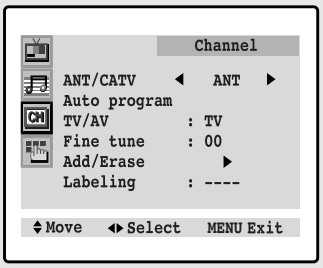
◀ The TV automatically cycles through all of the available channels and stores them in memory. This takes about one to two minutes.

Press **MENU•PROG** at any time to interrupt the memorization process and return to the Channel menu.

Adding and Erasing Channels (Manual Method)

1

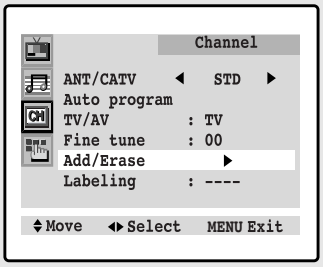
Press **MENU•PROG**; then press ▼ twice to select "Channel".
Press ▶ to access the channel sub-menu.



2

Press ▲ or ▼ to select "Add/Erase".

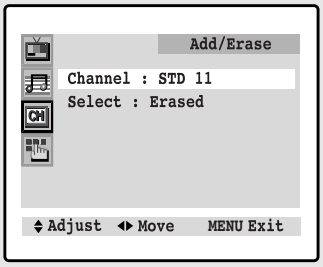
Press ▶.



3

Press ▶.
Use ▲/▼ or the number buttons to select a channel you want to add or erase from your channel list.

Press **MENU•PROG**.

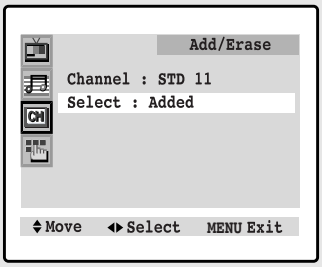


4

Press ▲ or ▼ to highlight "Select".

Press ◀ or ▶ to select "Added" or "Erased".

Press **MENU•PROG** three times to exit.

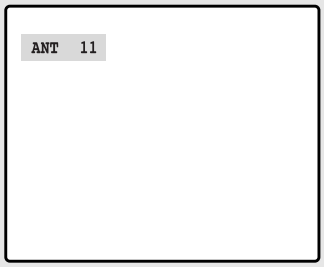


Labeling the Channels

Use this feature to assign an easy-to-remember label to any channel (for example.,“CBS”, “ESPN”, “PBS2”, CNN1”, etc.). A label consists of four fields, where each field is a letter, a number, “*”, or a blank. When the DISPLAY button is pressed, the channel label appears next to the channel number.

1

Press ▲ or ▼ to tune to a channel to be labeled.

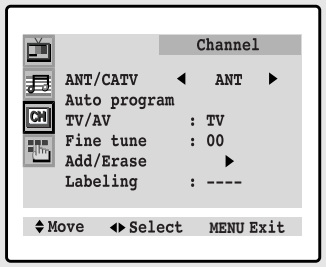


2

Press **MENU•PROG** to display the menu.

Press ▼ twice to select “Channel”.

Press ▶.

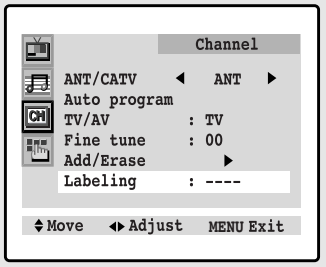


◄ Note: You cannot select “Labeling” in the A/V mode.

3

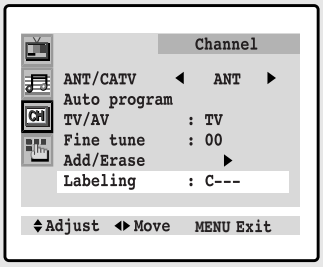
Press ▼ five times to select “Labeling”.

Press ▶ to begin labeling. The left-most field will be highlighted. (Each label has four fields.)



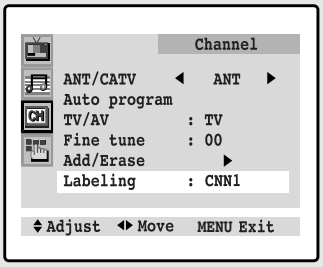
4

Press ▲ or ▼ to select a letter, number, “*”, or blank space. (Pressing ▲ results in this sequence: A,B,...Z,*, blank , 0 ,1,...9).



5

Press ▶ to highlight the next field. Select a second letter or digit using the ▲ and ▼ buttons, as above. Repeat the process to select the last two digits.



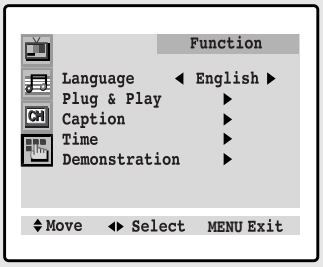
Press **MENU•PROG** twice to set the label and clear the menus from the screen.

Setting the Clock

1

Press the **MENU•PROG** button to display the on-screen menu.

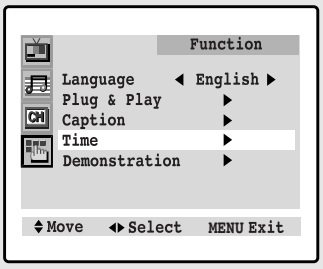
Press ▼ three times to select "Function." Press ▶.



2

Press ▼ three times to select the Time menu.

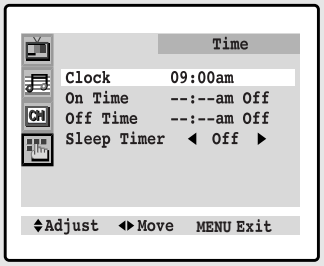
Press ▶: The Time menu will appear on the screen, and "Clock" will be highlighted.



3

Press ▶ again (the hours digits will be highlighted). Press ▲ or ▼ repeatedly until the correct hour appears.

After the hour is entered, press ▶ (at this point the minutes digits will be highlighted).



◄ When selecting the hours, be sure to select the proper time of day (AM or PM).

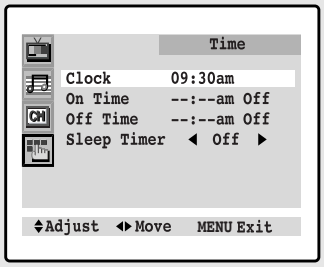
You can change the hours by pressing ▲ or ▼ repeatedly (or by holding down either of these buttons).

4

Press the ▲ or ▼ button to select the correct minutes.

After selecting the correct minutes, press ▶.

Press **MENU•PROG** three times to exit.

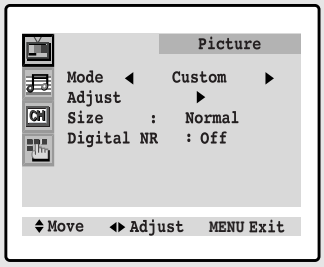


◄ The time will appear every time you press **DISPLAY**.

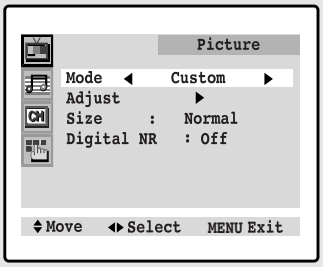
Customizing the Picture

You can use the on-screen menus to change the contrast, brightness, tint, color, and sharpness according to personal preference. (You can also use one of the "automatic" settings described on the next page.)

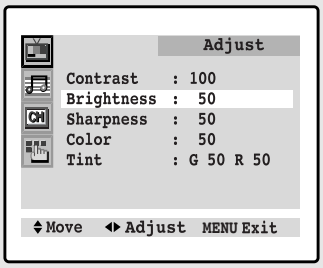
1
Press **MENU•PROG** to display the TV's main menu.



2
Press ◀ or ▶ repeatedly, until the word "Custom" is selected. (When "Custom" is highlighted, the words "Adjust" appear on the screen.)



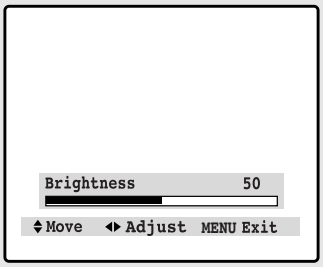
3
Press ▼ to select "Adjust", then press ▶. The menu shown on the right appears on the screen.
Press ▲ or ▼ to select an item to adjust.



◄ Tint will not appear in the PAL standard.

4
Press ◀ or ▶ to increase or decrease the value of a particular item. For example, if you select "Brightness," pressing ▶ increases the brightness of the picture.

Press **MENU•PROG** four times to exit.



◄ After adjusting an item, the gauge automatically disappears from the screen in about 5 seconds.

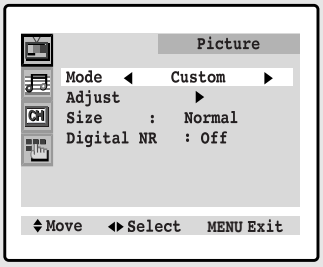
Using Automatic Picture Settings

Your TV has three automatic picture settings ("Standard", "Natural", and "Mild") that are preset at the factory. You can activate either Standard, Natural or Mild by making a selection from the menu. Or, you can select "Custom" which automatically recalls your personalized picture settings.

1

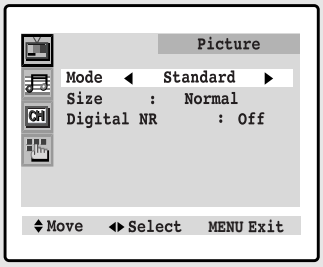
Press **MENU•PROG** to display the TV's main-menu.

Press ▶.



2

Press ◀ or ▶ to select the "Standard," "Natural," "Mild," or "Custom" picture setting.



- Choose *Standard* for the standard factory settings.
- Choose *Natural* to optimize the picture settings for an ideally lit viewing environment.
- Choose *Mild* ("Mild Contrast") when viewing the TV in low light, or when playing video games.
- Choose *Custom* if you want to adjust the settings accordings to personal preference (see "Customizing the Picture, page 4.9).

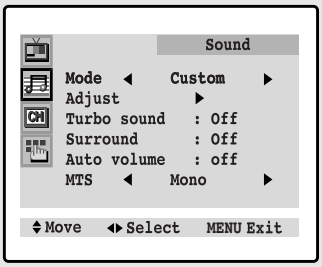
Customizing the Sound

You can use the on-screen menus to adjust the bass, treble, and balance according to individual preference. You can also use one of the "automatic" settings described on the next page.

1

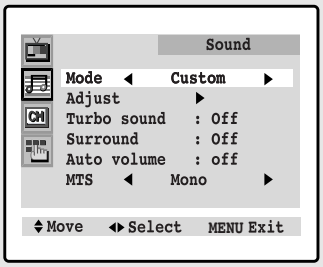
Press **MENU•PROG** to display the TV's main menu.

Press ▼ to select the "Sound" menu.



2

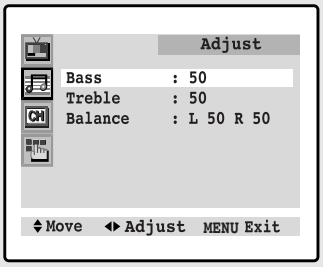
Press ◀ or ▶ repeatedly, until the word "Custom" is selected. (When Custom is selected, the words "Adjust" will appear on screen.



3

Press ▼ to select "Adjust"; then press ▶. The screen on the right appears.

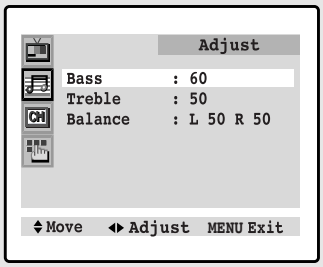
Press the ▲ or ▼ to select the item you want to adjust.



4

Press ◀ or ▶ to increase or decrease the value of the highlighted item.

Press **MENU•PROG** three times to exit.



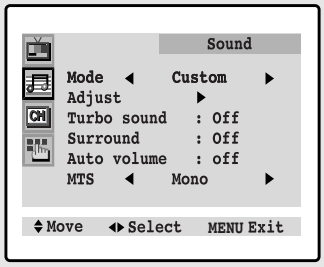
Using Automatic Sound Settings

Your TV has four automatic sound settings – "Standard," "Music," "Movie," and "Speech") – preset at the factory. You can activate any of them by making a selection from the on-screen menu. Or, you can select "Custom," which automatically recalls your personalized sound settings.

1

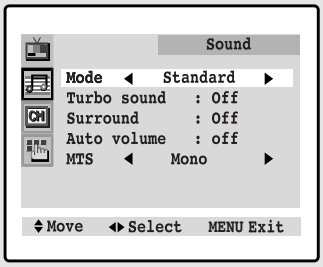
Press **MENU•PROG** to display the TV's main menu.

Press ▼ once to select the "Sound" menu.



2

Press ◀ or ▶ repeatedly to select "Standard," "Music," "Movie," "Speech" or "Custom."



- Choose *Standard* for the standard factory settings.
- Choose *Music* when watching music videos or concerts.
- Choose *Movies* when watching movies.
- Choose *Speech* when watching a show that is mostly dialogue (for example, news).
- Choose *Custom* to recall your personalized settings.

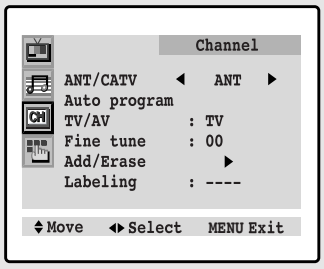
Viewing the Signal from a VCR or Camcorder

You must select the appropriate mode in order to view the VCR or Camcorder signal on the TV.

1

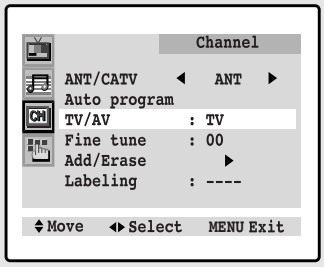
Press **MENU•PROG** to display the TV's main menu.

Press ▼ twice to select "Channel", then press ▶.



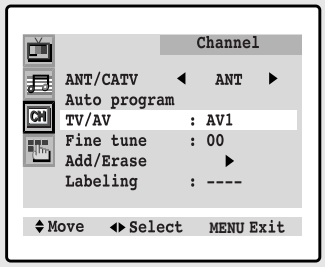
2

Press ▼ twice to select "TV/AV".



3

Press ◀ or ▶ to switch between the signals from the TV's A/V jacks and the TV signal.



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Chapter 5

SPECIAL FEATURES

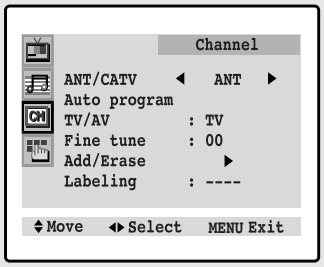
Fine Tuning Channels

Use fine tuning to manually adjust a particular channel for optimal reception.

NOTE: Illustrations are for representation only. Your product and on-screen displays might differ.

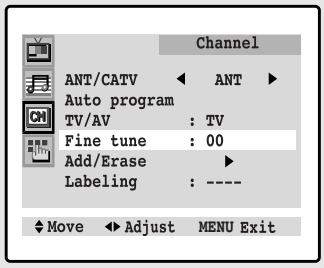
1
Select the desired channel.

Press **MENU•PROG** to display the menu. Press ▼ twice to select the "Channel" menu.

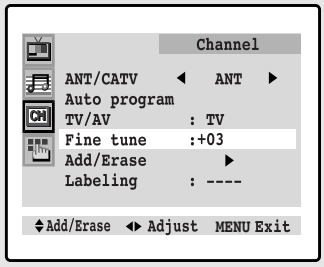


2
Press ► to go to the Channel menu.

Press ▼ three times to select "Fine tune".



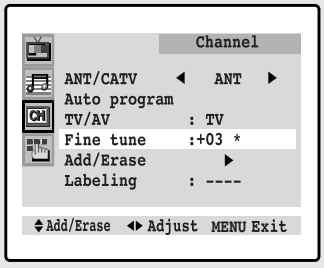
3
Press ► and ◄ to adjust the fine tuning.



◄ After you adjust the fine tuning, an asterisk ("*") appears when you press **DISPLAY** while watching this channel.

4
To store the fine tuning setting in the TV's memory, press ▲. The symbol "*" appears.

To reset the fine tuning to "00", press ▼.



◄ Press the **MENU** button to resume normal viewing.

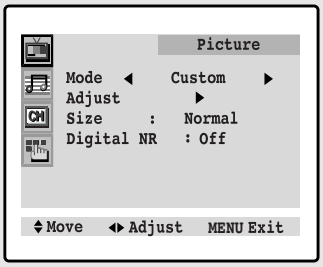
Digital Noise Reduction

If the broadcast signal received by your TV is weak, you can activate the Digital Noise Reduction feature to help reduce any static and ghosting that may appear on the screen.

1

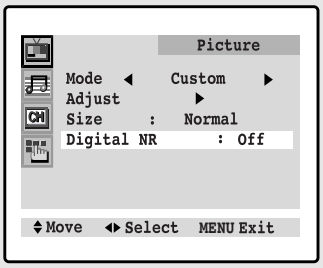
Press **MENU•PROG** to display the TV's main menu.

Press ▶ to select the "Picture" menu.



2

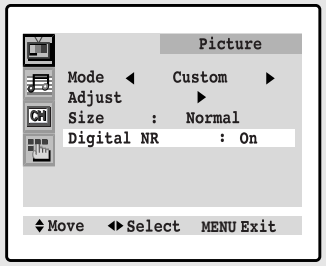
Press ▼ three times to select "Digital NR."



3

Press ▶ or ◀ to turn Digital NR "On".

Press **MENU•PROG** twice to exit.



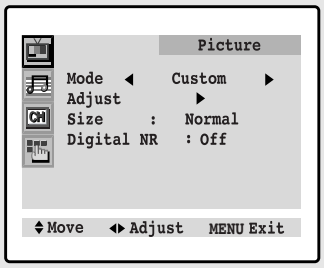
◀ Pressing ◀ or ▶ will toggle between "On" and "Off".

Changing the Screen Size

1

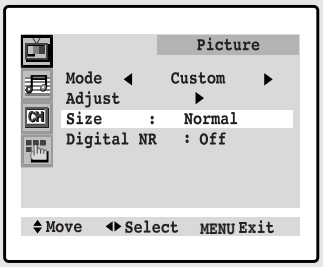
Press **MENU•PROG** to display the TV's main menu.

Press ▶ to select the "Picture" menu.



2

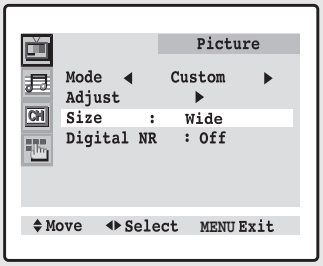
Press ▼ twice to select "Size."



3

Press ▶ or ◀ repeatedly to select "Normal", "Zoom", or "Wide".

Press **MENU•PROG** twice to exit.

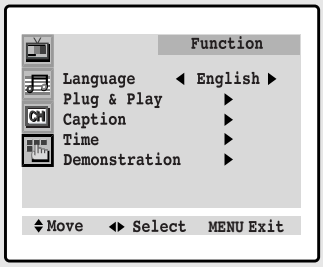


- Normal : Sets the picture to 4:3 normal mode. This is the standard TV screen size.
- Zoom : Magnifies the size of the picture on screen.
- Wide : Sets the picture to 16:9 wide mode.

Setting the On/Off Timer

1
Press **MENU•PROG** to display the the TV's main menu.

Press ▼ three times to select the "Function" menu.

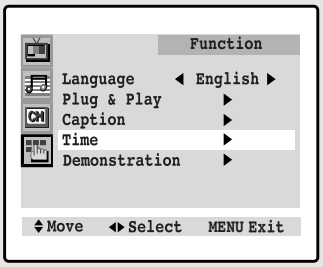


◄ Before using the timer, you must set the TV's clock. (See "Setting the Clock" on page 4.8).

2
Press ▶ to go to the "Function" menu.

Press ▼ three times to select "Time".

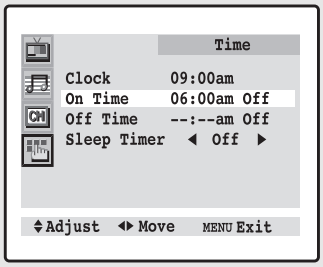
Press ▶.



3
Press ▼ to select "On Time".

Press ▶ to highlight the hours place.

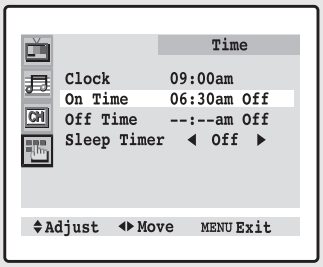
Use ▲ or ▼ to set the hour you want the TV to turn on.



◄ When you set the hours, make sure the correct time of day (AM or PM) appears to the left of the hour.

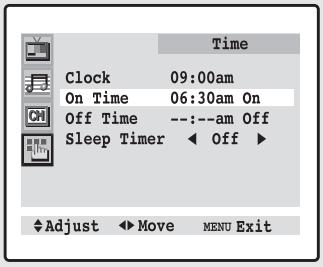
4
Press ▶ to highlight the minutes place.

Use ▲ or ▼ to set the exact time you want the TV to turn on, to the minute.



5
Press ▶ to highlight "On/Off."

Press ▲ or ▼ to turn the on-timer "On." (Repeatedly pressing ▲ or ▼ toggles between on and off.)



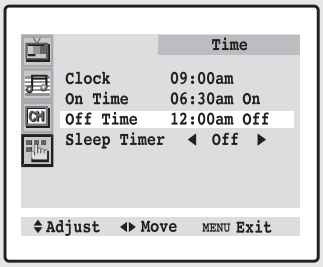
◄ To deactivate the timer, select "Off" during this step.

6
When finished, press ▶.

7

To set the Off time, press ▼ to highlight "Off time."

Press ▶ and set the hours and minutes. (Follow the same procedure as in steps 1~6.)



◄ If no function buttons (including remote control buttons or front panel buttons) are operated for three hours after the TV is turned on by the on timer, the TV will automatically turn off.

8

When finished setting the timer, press **MENU•PROG** three times to exit.

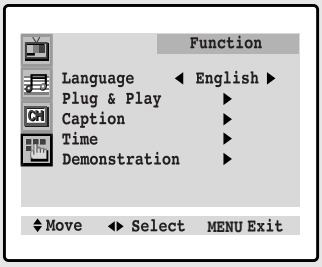
Setting the Sleep Timer

The sleep timer automatically shuts off the TV after a preset time (from 10 to 180 minutes).

1

Press **MENU•PROG** to display the the TV's main menu.

Press ▼ three times to select the "Function" menu.

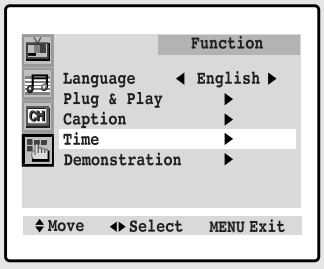


2

Press ▶ to go to the "Function" menu.

Press ▼ three times to select "Time".

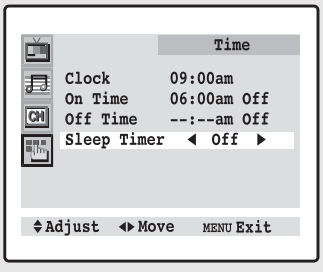
Press ▶.



3

Press ▼ to select "Sleep Timer".

Press ◀ or ▶ repeatedly until the appropriate time interval appears (any of the preset values from "Off" to "180").



◄ After about 5 seconds, the sleep display will disappear from the screen, and the time interval will be set.

Special Sound Features

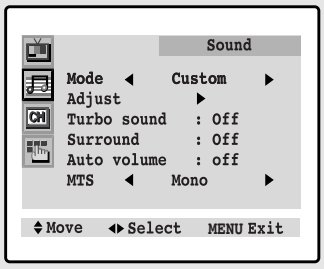
Choosing a Multi-Channel Sound (MTS) Soundtrack

Depending on the particular program being broadcast, you can listen to stereo, mono, or Secondary Audio Program audio. SAP audio is usually a foreign-language translation. Sometimes SAP has unrelated information like news or weather.

1

Press **MENU•PROG** to display the the TV's main menu.

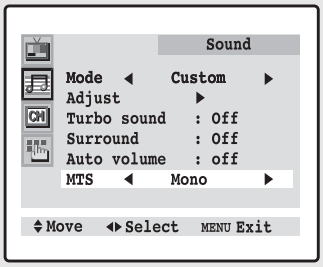
Press ▼ once to highlight the "Sound" menu.



2

Press ► to select the Sound menu.

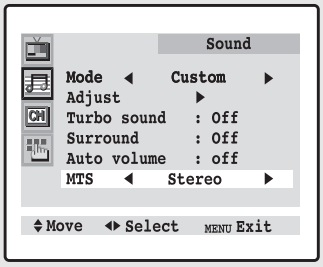
Press ▼ five times to select "MTS".



3

Press ► repeatedly to select "Mono," "SAP," or "Stereo."

Press **MENU•PROG** twice to exit



◄ The text at the bottom of the menu tells you if the incoming audio is stereo, SAP, or mono.

- Choose *Stereo* for channels broadcasting in stereo.
- Choose *Mono* for channels broadcasting in mono, or if you are having difficulty receiving a stereo signal.
- Choose *SAP* to listen to the Secondary Audio Program, which is usually a foreign-language translation.

You can also change the MTS setting by pressing the MTS button on the remote control. (When you change channels, MTS is set to "Stereo" automatically. To listen in 'SAP' or 'Mono,' change the MTS setting.)

Additional sound settings (Turbo Sound, Surround, or Auto Volume)

- **Turbo Sound**

Turbo sound boosts the highs and lows of the audio track.

- **Surround**

The Surround setting converts a mono soundtrack into two identical left and right channels. The Surround setting applies to the sound presets Standard, Music, Movie and Speech.

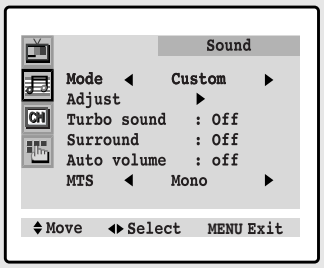
- **Auto Volume**

The Auto Volume setting minimizes large differences in volume between channels by reducing the volume of louder channels and boosting the volume of softer channels.

1

Press **MENU•PROG** to display the TV's main menu.

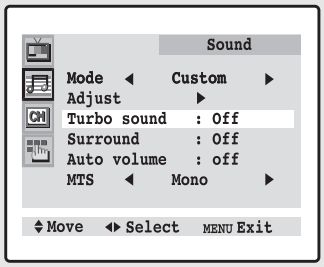
Press ▼ once to highlight the "Sound" menu.



2

Press ▶ to select the Sound menu.

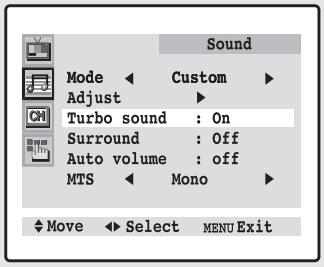
Press ▼ twice to select "Turbo sound".



3

Press ▶ to turn Turbo sound on.

Press **MENU•PROG** twice to exit



Follow these same steps to turn on the Surround and Auto Volume sound settings.

Viewing Closed Captions

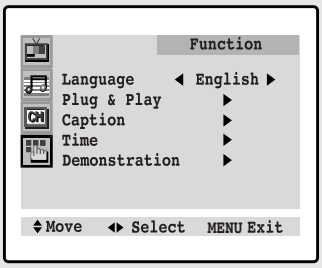
Your TV decodes and displays the closed captions that are broadcast with certain TV shows. These captions are usually subtitles for the hearing impaired or foreign-language translations. Most VCRs record the closed caption signal from television programs, so home-recorded video tapes should also provide closed captions. Most pre-recorded commercial video tapes provide closed captions as well. Check for the closed caption symbol in your television schedule and on the tape's packaging: CC .

1

Press **MENU•PROG** to display the TV's main menu.

Press ▼ three times to select the "Function" menu.

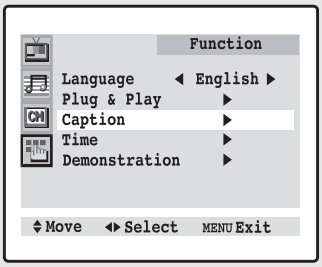
Press ▶ .



2

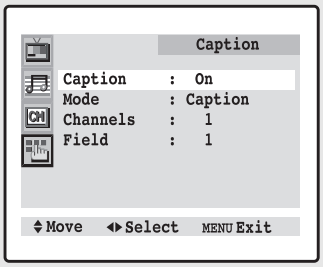
Press ▼ two times to select the "Caption" menu.

Press ▶ to open the Caption menu.



3

Press ▶ or ◀ to turn closed captioning on or off.

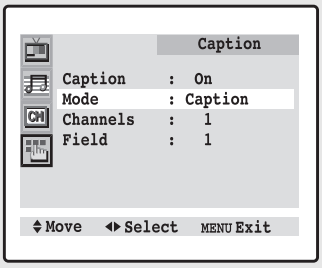


◄ Misspellings and unusual characters sometimes occur during closed caption transmissions, especially those of live events. There may be a small delay before captions appear when you change channels. These are not malfunctions of the TV.

4

Press ▼ to select "Mode."

Press ◀ or ▶ to select "Caption" or "Text."



◄ In **caption mode**, captions appear at the bottom of the screen, and they usually cover only a small portion of the picture.

In **text mode**, information unrelated to the program, such as news or weather, is displayed. Text often covers a large portion of the screen.

5

Depending on the particular broadcast, it might be necessary to make changes to "Channels" and "Field." Use ▲, ▼, ▶ and ◀ to make changes. (Follow the same procedure as in steps 3~4 above.)
Press **MENU•PROG** three times to exit.

◄ Different channels and fields display different information: Field 2 carries additional information that supplements the information in Field 1. (For example, Channel 1 may have subtitles in English, while Channel 2 has subtitles in Spanish.)

Viewing the Demonstration

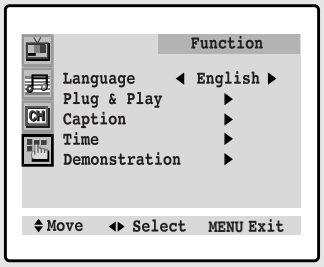
Your TV has a demonstration mode to help you become familiar with its menu system.

1

Press **MENU•PROG** to display the TV's main menu.

Press ▼ three times to select the "Function" menu.

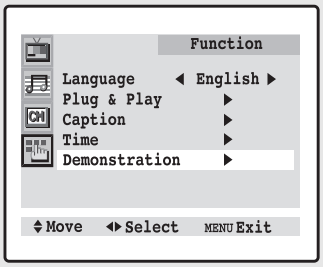
Press ▶ .



2

Press ▼ four times to select the Demonstration menu.

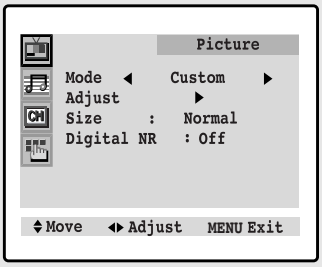
Press ▶ .



3

Each of the menu options is displayed in turn.

Press any button on the remote control to stop the demonstration.



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Chapter 6

OTHER INFORMATION

Troubleshooting

Try this list of possible solutions to common problems before calling a technician. If none of these troubleshooting tips apply, then call your nearest service center.

Problem	Possible Solution
Poor picture	Try another channel. Adjust the antenna. Check all wire connections.
Poor sound quality.	Try another channel. Adjust the antenna.
No picture or sound.	Try another channel. Press the **INPUT** button. Make sure the TV is plugged in. Check the antenna connections.
No color, wrong colors or tints.	Make sure the program is broadcast in color. Adjust the picture settings.
Picture rolls vertically.	Adjust the antenna. Check all wire connections.
The TV operates eratically	Unplug the TV for 30 seconds, then try operating it again.
The TV won't turn on.	Make sure the wall outlet is working.

Cleaning and Maintaining Your TV

With proper care, your TV unit will give you many years of service. Please follow these guidelines to get the maximum performance from your TV.

Placement

- Do not place the TV near extremely hot, cold, humid or dusty places.
- Do not place the TV near appliances with electric motors that create magnetic fields, such as vacuum cleaners.
- Keep the ventilation openings clear; do not place the TV on a soft surface, such as cloth or paper.
- Place the TV in a vertical position only.

Liquids

- Do not handle liquids near or on the TV. Liquids that spill into it can cause serious damage.

Cabinet

- Never open the cabinet or touch the parts inside.
- Wipe your TV with a clean, dry cloth. Never use water, cleaning fluids, wax, or chemicals.
- Do not put heavy objects on top of the cabinet.

Temperature

- If your TV is suddenly moved from a cold to a warm place, unplug the power cord, and allow at least two hours for moisture that may have formed inside the unit to dry completely.

Using Your TV in Another Country

If you plan to take your TV with you to a foreign country, please be aware of the different television systems that are in use around the world. A TV designed for one system may not work properly with another system due to differences in the TV channel frequencies.

Specifications

Model	MR29410
Voltage	AC 100-240V
Frequency of Operation	50/60Hz
Power Consumption	120 Watts

Please do not send any products to the Indianapolis address listed in this manual or on the carton. This will only add delays in service for your product.

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